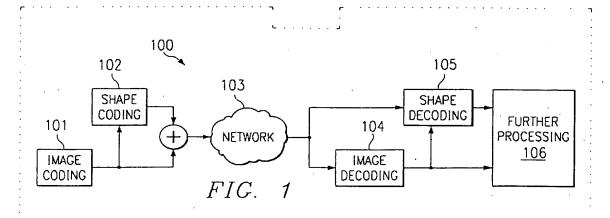
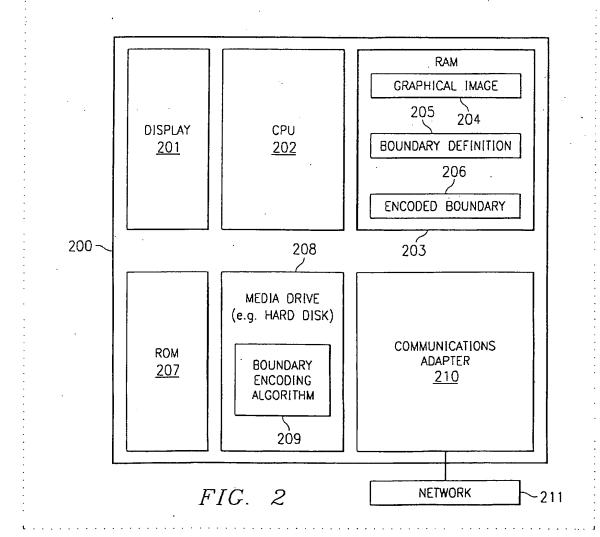
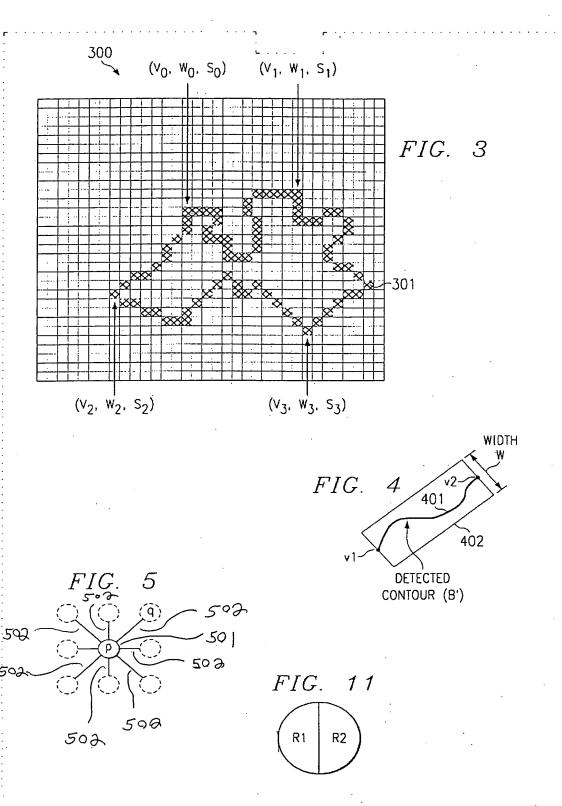
116

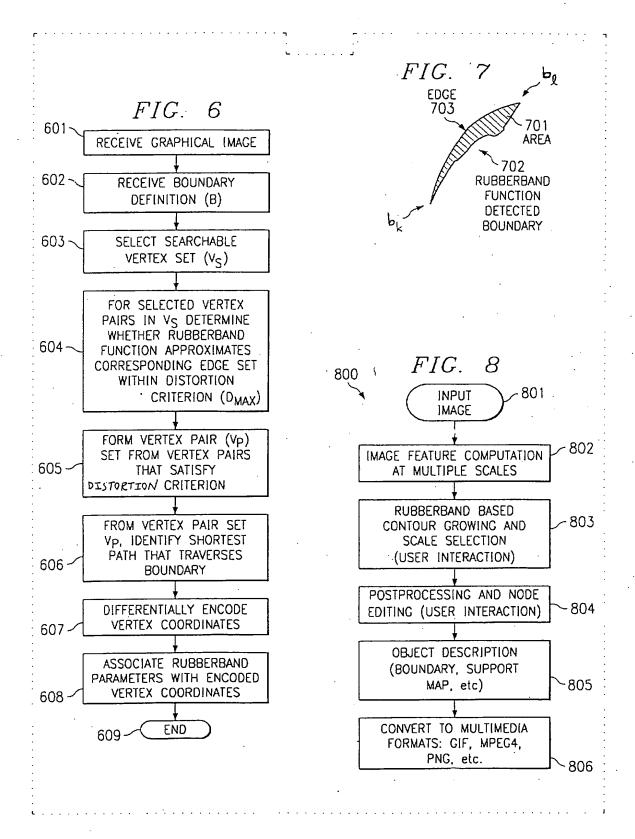




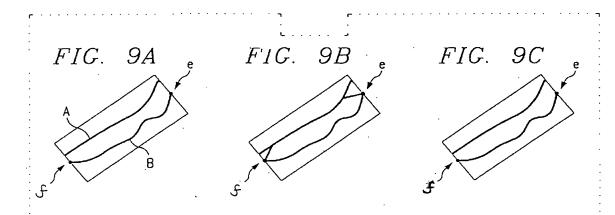
2/6



3/6



## 416



```
Input: f (start point), e (ending point), Dist(p,q) (local distance
   definition)
Assistant Data Structure:
 L1 (active list 1)
 L2 (active list 2)
 C(p) (cumulative distance from f to p)
Output: ptr (minimal cost path pointers)
Algorithm:
(1001) Initialize assistant data structure (L1, L2 are set empty, and
   C to +\infty).
(1002)
         Set initial threshold T_0 and increasing step \delta_T.
(1003)
         T=T_0;
(1004)
         push(L1, f, 0);
         while( T \le T_{\max} and C(e) = +\infty ) {
(1005)
              while( num(L1)>0 ) {
(1006)
(1007)
                  pop( L1, p );
(1008)
                  flag_thresholded=0;
                  for (each q \in N(p)) {
(1009)
(1010)
                   if( Dist(p, q) > T ) {
(1011)
                        flag_threshold=1; continue;
(1012)
(1013)
                    d' = C(p) + \text{Dist}(p, q);
                    if( d' < C(q) ) {
(1014)
                       if( q is in L1 ) remove( L1, q );
(1015)
(1016)
                       C(q)=d';
                       ptr(q)=p;
(1017)
(1018)
                       push(L1, q, d');
(1019)
(1020)
                  } //end of for
(1021)
                 if( flag_threshold ) {
(1022)
                     push( L2, p, C(p) );
(1023)
             } //end of inner while
(1024)
             T=T+\delta_T;
(1025)
(1026)
             Copy L1 from L2 and clean L2.
(1027) } //end of outer while
```

## 47607-P523US-10111466

6/6.

FIG. 12

1200 

